

## POWDER COATED GENERATOR FIELD COILS AND METHOD OF MANUFACTURE

### ABSTRACT OF THE DISCLOSURE

A field coil for an electromagnetic rotor comprising multiple windings,  
5 each substantially entirely coated with a powder resin having a dielectric  
strength of at least in the range of 1000-1500 v/mil. A method of  
manufacturing a field coil for an electromagnetic rotor includes the steps of a)  
providing a field coil comprising multiple layers of copper bars; b) coating the  
multiple layers of the field coil with a powder resin having a dielectric strength  
10 of at least about 1000-1500 v/mil.; and c) curing the powder resin.

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